


Ch 3 Review

3.1

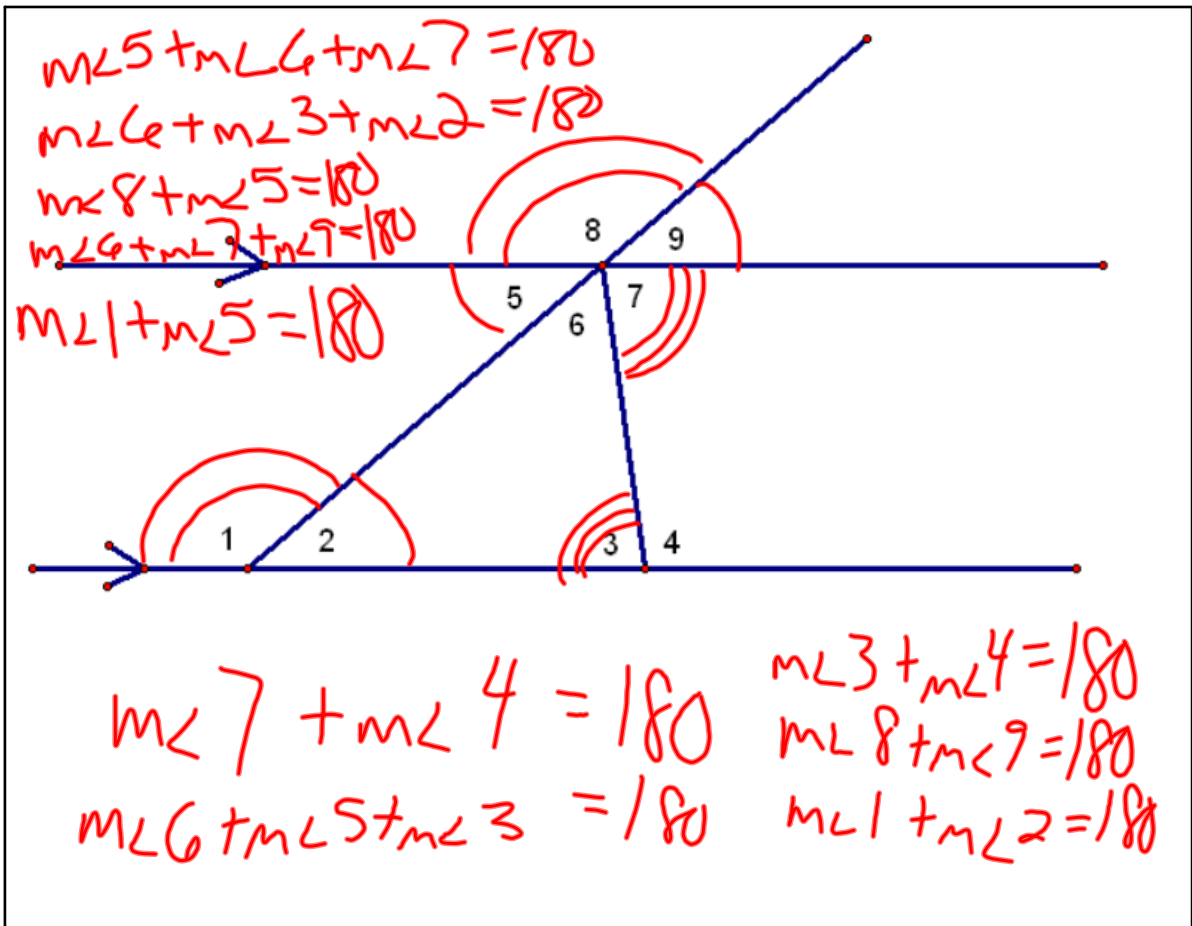
- Parallel lines
- Skew lines
- Parallel planes
- Types of angles

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3.2

- If \parallel , then
 - corresponding angles are _____
 - alternate int. angles are _____
 - alternate ext. angles are _____
 -  s-side (cons.) int. angles are _____
 - Algebra questions (challenging)
 - Proof
- Handwritten notes in red:*
To the right of the first three items, there are three sets of parallel lines drawn vertically.
To the right of the fourth item, the word "suppl." is written.

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3.3

- Slope
- vertical lines
- horizontal lines
- parallel lines
- perpendicular lines

ex: $x = 2$ m is undefined
 ex: $y = -3$ $m = 0$
 same slopes.
 opp. recipr.

3.4

- Equations of lines

$$y = mx + b$$

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3.5

- If corresponding angles are \cong ,
- If alternate int. angles are \cong ,
- If alternate ext. angles are \cong ,
- If s-side (cons.) int. angles are suppl.,
- then the lines are \parallel .

- 3.2
- Algebra questions (challenging)
 - Proof
 - Which lines are parallel?

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3.6

- Perpendiculars and distance
- between horizontal lines
- between vertical lines
- use the distance formula

$$d = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$$

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p167-170
#s 1-25, 30, 32, 34-40

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